

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TEXAS, North</b>				
<b>EASTLAND COUNTY --- 0.6 WNW CISCO [32.38, -98.98]</b>				
	06/02/10 15:15 CST		15K	Thunderstorm Wind (EG 52 kt)
	06/02/10 15:15 CST		0	Source: Emergency Manager
Power lines were blown down in Cisco. The local emergency manager estimated a 60 mph wind gust.				
<b>EASTLAND COUNTY --- EASTLAND [32.40, -98.82]</b>				
	06/02/10 15:25 CST		25K	Thunderstorm Wind (EG 52 kt)
	06/02/10 15:25 CST		0	Source: Emergency Manager
Several large tree limbs and power lines were blown down by estimated an estimated 60 mph wind gust.				
<b>PARKER COUNTY --- 0.5 SSW SPRINGTOWN [32.96, -97.68]</b>				
	06/02/10 16:00 CST		0	Hail (1.00 in)
	06/02/10 16:00 CST		0	Source: Public
Nickel to quarter size hail fell at the intersection of Farm-to-Market Road 51 and Highway 199 in Springtown.				
<b>TARRANT COUNTY --- 1.6 E AVONDALE [32.97, -97.39]</b>				
	06/02/10 16:50 CST		0	Hail (1.75 in)
	06/02/10 16:50 CST		0	Source: NWS Employee
Several golfball sized hail stones fell at the intersection of Avondale Haslet Road and Willow Springs Road in the city of Haslet. The hail stones broke apart on impact and no damage was observed.				
<b>PARKER COUNTY --- 3.9 SW WEATHERFORD ARPT [32.72, -97.74]</b>				
	06/02/10 17:15 CST		0.10M	Lightning
	06/02/10 17:15 CST		0	Source: Newspaper
Firefighters responded to a house fire caused by a lightning strike. The fire initially began in the attic, but the heat and smoke forced the firefighters back. The 4,000 square foot home was built in 2002.				
<b>DENTON COUNTY --- 1.8 SW JUSTIN [33.06, -97.32]</b>				
	06/02/10 17:25 CST		15K	Thunderstorm Wind (EG 50 kt)
	06/02/10 17:25 CST		0	Source: Public
There was minor roof damage and windows blown out of a residence due to high winds. The shed next to the residence was destroyed.				
<b>TARRANT COUNTY --- 0.6 WSW (FTW)MEACHAM ARPT FT [32.82, -97.36]</b>				
	06/02/10 18:53 CST		0	Thunderstorm Wind (MG 52 kt)
	06/02/10 18:53 CST		0	Source: ASOS
Measured at Fort Worth Meacham Airport.				
<b>MILAM COUNTY --- 0.5 SSW THORNDALE [30.61, -97.20]</b>				
	06/02/10 19:26 CST		15K	Thunderstorm Wind (EG 55 kt)
	06/02/10 19:26 CST		0	Source: Fire Department/Rescue
Several trees were blown down due to high winds in Thorndale. Several power lines were also knocked down after the trees fell on the lines.				
<b>LEON COUNTY --- FLO [31.48, -95.95]</b>				
	06/02/10 20:00 CST		0	Hail (0.88 in)
	06/02/10 20:00 CST		0	Source: Law Enforcement
Nickel size hail fell in the town of Flo.				
<b>ANDERSON COUNTY --- 1.9 WSW PALESTINE [31.74, -95.66]</b>				

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	06/02/10 20:25 CST		5K	Thunderstorm Wind (EG 56 kt)
	06/02/10 20:25 CST		0	Source: Other Federal Agency

Large trees were blown down near Palestine. The wind gust was estimated at 65 mph.

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### ANDERSON COUNTY --- 2.2 SE PALESTINE ARPT [31.75, -95.70]

06/02/10 20:48 CST	5K	Thunderstorm Wind (EG 50 kt)
06/02/10 20:48 CST	0	Source: Trained Spotter

Six to eighteen inch diameter trees were blown down west of Palestine.

**A mesoscale convective vortex aided in the development of numerous showers and thunderstorms across North Texas as an upper level disturbance passed over the region. Several of the storms became severe and produced damaging wind gusts and hail up to the size of golfballs.**

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### MILAM COUNTY --- 1.1 SSE GAUSE [30.76, -96.69], 4.1 SE BRANCHVILLE [30.83, -96.71], 1.4 WSW LIBERTY [30.76, -96.87], 1.7 S MILANO [30.68, -96.85]

06/09/10 09:45 CST	0	Flash Flood (due to Heavy Rain)
06/09/10 13:15 CST	0	Source: Law Enforcement

High water was reported over Highway 79 near the town of Gause and Highway 36 near Milano at 945 AM CST. Heavy rain continued to fall through the morning hours and by the early afternoon hours, high water was still being reported near the town of Gause along County Roads 326 and 347 and Highway 79.

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### ROBERTSON COUNTY --- 1.3 SW HEARNE MUNI ARPT [30.86, -96.64], 0.7 SSW MUMFORD [30.72, -96.56], 0.6 WNW BENCHLEY [30.75, -96.46], 2.5 ESE WHEELOCK [30.89, -96.34], 0.6 WNW EATON [30.97, -96.36]

06/09/10 10:00 CST	0	Flash Flood (due to Heavy Rain)
06/09/10 14:45 CST	0	Source: Law Enforcement

Reports of flash flooding in Robertson County began at 10 AM CST. High water was reported on Farm-to-Market Road 391 about 2.5 miles northwest of Wheelock, and over Highway 6 and Farm-to-Market Road 50 south of Hearne. Heavy rain continued through the afternoon hours and by 1245 PM CST, additional reports of flash flooding were reported. There was high water on Old Spanish Road near the town of Eaton, on Highway 6 near Benchley, on Highway 46 near the town of Wheelock, and on Farm-to-Market Road 50 near Mumford.

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### MCLENNAN COUNTY --- 0.6 WNW OCEE [31.57, -97.41], 2.0 NNE BRUCEVILLE [31.35, -97.22], 3.7 S HARRISON [31.47, -97.00], 1.6 SW LEROY [31.71, -97.04]

06/09/10 10:30 CST	0.10M	Flash Flood (due to Heavy Rain)
06/09/10 13:30 CST	0	Source: Newspaper

High water was reported in a residential structure in the city of Lorena. Several intersections in Hewitt were barricaded due to high water and Farm-to-Market Road 185 west of Waco Lake was closed due to flash flooding. Several roads by the Waco airport were also closed due to high water. Flooding was also reported in Lacy-Lakeview and Lorena.

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### LIMESTONE COUNTY --- 1.1 SSW GROESBECK [31.52, -96.53], 2.0 WSW GROESBECK [31.52, -96.55], 1.3 WNW GROESBECK [31.54, -96.54], 0.2 SSW GROESBECK [31.53, -96.52]

06/09/10 20:18 CST	15K	Flash Flood (due to Heavy Rain)
06/09/10 20:18 CST	0	Source: Emergency Manager

Highway 164 at the Union Pacific railroad crossing was closed due to high water. Multiple streets were closed in Groesbeck due to flash flooding.

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### ANDERSON COUNTY --- 8.3 SW ELKHART [31.54, -95.68], 8.0 E SLOCUM [31.62, -95.33], 0.5 WNW FRANKSTON [32.05, -95.51], 1.4 NNW CAYUGA [31.97, -95.98]

06/09/10 23:20 CST	1M	Flash Flood (due to Heavy Rain)
06/10/10 10:30 CST	0	Source: Emergency Manager

Numerous roads across the county had significant flash flooding. There were several flooded homes and a house rescue conducted in Palestine. Parts of Highway 315 was washed away and a vehicle was stranded near the town of Elmwood. At least 4 feet of water was over County Road 404 12 miles NNW of Palestine. Several roads in the city of Palestine were closed for several days due to damage suffered by the flood waters.

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### KAUFMAN COUNTY --- 1.5 SE MABANK [32.35, -96.08], 1.7 S PEELTOWN [32.38, -96.37], 1.1 SE SCURRY [32.51, -96.37], 1.0 ESE ASHWORTH [32.51, -96.10]

06/10/10 03:15 CST	1.50M	Flash Flood (due to Heavy Rain)
06/10/10 13:00 CST	0	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Significant flash flooding occurred in the southern parts of Kaufman County, especially in the city of Mabank. Numerous roads were flooded and water flowed over several bridges. Over 10 inches of rain fell in Mabank and this led to numerous homes threatened with flood water and at least four homes were inundated with water. One home had to be evacuated. Numerous vehicles suffered damage as the water rose and flooded the insides. The flooding was directly responsible for power outages throughout the area and led to a boil water notice.				

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### HILL COUNTY --- 1.1 WSW BIROME [31.80, -96.99], 3.6 E HILLSBORO MUNI ARPT [32.05, -97.06], 3.5 ESE IRENE [31.96, -96.82], 2.1 WSW HUBBARD [31.84, -96.83]

06/10/10 03:35 CST	0.40M	Flash Flood (due to Heavy Rain)
06/10/10 10:15 CST	0	Source: Emergency Manager

Numerous reports of flash flooding were reported in the southeastern portions of the county. A vehicle was overtaken with water on Farm-to-Market Road 308 near the town of Bynum. Additional water was reported over Farm-to-Market Road 308 between the towns of Penelope and Birome and near Malone. There was also water over County Road 2114 west of Penelope and a bridge was washed out, stranding four motorists along NW 3150 Road, northeast of Dawson. Water was reported in homes between Hillsboro and Brandon.

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### MCLENNAN COUNTY --- 1.1 WNW LEROY [31.74, -97.04], 1.2 ENE LEROY [31.74, -97.00], 1.2 SE LEROY [31.72, -97.01], 1.2 WSW LEROY [31.72, -97.04]

06/10/10 04:02 CST	0	Flash Flood (due to Heavy Rain)
06/10/10 04:30 CST	0	Source: Law Enforcement

High water was reported over Farm-to-Market Road 308 near the town of Leroy.

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### HENDERSON COUNTY --- 2.7 NNE TOOL [32.31, -96.16], 1.6 ESE CEDAR CREEK RES NORT [32.36, -96.16], 1.5 SE MABANK [32.35, -96.08], 2.4 NNE EUSTACE [32.33, -95.96], 2.0 WSW CRESCENT HGTS [32.17, -95.96], 1.7 SW MALAKOFF [32.15, -96.04], 1.4 SSE CEDAR CREEK RES SOUT [32.21, -96.09]

06/10/10 04:11 CST	0.10M	Flash Flood (due to Heavy Rain)
06/10/10 09:00 CST	0	Source: Law Enforcement

Significant flash flooding was reported in western Henderson County. Numerous high water rescues were conducted in the cities of Eustace, Log Cabin, Malakoff, Key Rance, and Goliad. The Precinct 1 County Commissioner reported that 15 to 20 roads were flooded at one time.

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### LIMESTONE COUNTY --- 0.9 NNW OAK HILL [31.73, -96.68], 0.5 NNW MUNGER [31.81, -96.72], 6.2 NW GUDE [31.83, -96.53], 2.4 ESE TEHUACANA [31.72, -96.53]

06/10/10 06:06 CST	50K	Flash Flood (due to Heavy Rain)
06/10/10 09:30 CST	0	Source: Department of Highways

Water was reported over Farm-to-Market Road 73 near Coolidge. Highway 171 from Munger to Coolidge was flooded and impassable. Low water crossings along Farm-to-Market Road 27 east of Coolidge were flooded, and Farm-to-Market Road 638 was also closed for one mile NE of Coolidge.

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### NAVARRO COUNTY --- 1.5 NNW DAWSON [31.90, -96.73], 1.5 ENE SILVER CITY [31.98, -96.61], 1.9 ESE CORSICANA MUNI ARPT [32.02, -96.37], 7.8 SE RURAL SHADE [31.98, -96.03], 4.7 SE CHENEYBORO [31.90, -96.30], 3.1 NE ELDORADO CENTER [31.88, -96.60]

06/10/10 06:12 CST	1.85M	Flash Flood (due to Heavy Rain)
06/10/10 10:00 CST	0	Source: Law Enforcement

Significant flash flooding occurred in the southern parts of Navarro County as portions of the county received up to 14 inches of rainfall. Over twenty high water rescues were conducted by volunteer fire departments throughout the county. Many of the rescues were in the southwest parts of the county, near the town of Dawson. Both roads into the city of Dawson were blocked due to high water. This included Farm-to-Market Road 709 and Farm-to-Market Road 1838. Several homes in the towns of Pursley and Union High had water in them. Many roads in the southern parts of the county received damage and several bridges were washed away. Additional flooding near the town of Kerens was also reported. Farm-to-Market Road 309 near highway 287 was impassable due to high water. Flood waters also destroyed property throughout the county and preliminary damage estimates totaled 1.85 million dollars.

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### LEON COUNTY --- 2.2 NNE GUYS STORE [31.25, -95.81]

06/10/10 09:15 CST	25K	Lightning
06/10/10 09:15 CST	0	Source: Law Enforcement

Lightning sparked a house fire about 10 miles east of Centerville.

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### ANDERSON COUNTY --- 3.2 NNE TENNESSEE COLONY [31.87, -95.82], 5.2 SE TUCKER [31.62, -95.68], 5.6 ESE KOSSUTH [31.70, -95.41], 0.7 WSW PERT [31.92, -95.54]

06/10/10 10:00 CST	0	Flood (due to Heavy Rain)
06/10/10 20:00 CST	0	Source: Newspaper

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Residual flooding lasted for many hours after the heavy rain had ended. Farm-to-Market Road 2330 remained closed as did Farm-to-Market Road 315 from Farm-to-Market Road 837 to Highway 175. Several county roads throughout the county also remained closed due to residual flooding.				

**VAN ZANDT COUNTY --- 3.6 WSW RODDY [32.45, -96.06], 1.4 NE PHALBA [32.44, -95.97], 1.9 NNW BIG ROCK [32.38, -95.96], 5.2 WSW PHALBA [32.38, -96.06]**

06/10/10 11:01 CST	50K	Flash Flood (due to Heavy Rain)
06/10/10 12:00 CST	0	Source: Department of Highways

Farm-to-Market Road 47 was underwater one mile north of Highway 198, County Road 308 was washed away two miles east of Highway 198, and Farm-to-Market Road 316 was closed due to high water at the intersection of Highway 198.

**A warm-core low pressure system slowly moved along the Interstate 35 corridor and provided a focus for deep-tropical convection to develop across the southeastern portions of North Texas. Significant flash flooding occurred in several counties, and the flooding caused millions of dollars in damage. Even with all of the heavy rain and flash flooding, no lives were lost.**

**WISE COUNTY --- DECATUR [33.23, -97.60]**

06/15/10 00:00 CST	0.10M	Thunderstorm Wind (EG 50 kt)
06/15/10 00:00 CST	0	Source: Newspaper

A local auto-repair business suffered damage to six bay doors in Decatur. There were also tree limbs scattered along roadways and several homes had shingles removed from the roofs.

**WISE COUNTY --- 1.6 WNW BRIAR [33.01, -97.68]**

06/15/10 00:05 CST	1K	Thunderstorm Wind (EG 50 kt)
06/15/10 00:05 CST	0	Source: Law Enforcement

Several trees were blown down along county roads near Highway 51 northeast of Springtown.

**EASTLAND COUNTY --- RANGER [32.47, -98.68]**

06/15/10 03:00 CST	0	Hail (0.88 in)
06/15/10 03:00 CST	0	Source: Fire Department/Rescue

Nickel size hail fell in the city of Ranger.

**EASTLAND COUNTY --- RANGER [32.47, -98.68]**

06/15/10 03:00 CST	20K	Thunderstorm Wind (EG 52 kt)
06/15/10 03:00 CST	0	Source: Fire Department/Rescue

Several homes in Ranger had shingles blown off the roofs. Winds were estimated at 55 to 60 MPH.

**Two separate mesoscale convective systems weakened as they progressed east across North Texas. There was one report a 55 to 60 MPH wind gust with the first system which caused minor damage in Parker County. The second complex was a bit stronger and caused wind damage and nickel size hail in Eastland County.**

**(TX-Z119) DALLAS**

06/20/10 00:00 CST	1	0	Heat
06/20/10 23:59 CST		0	

Direct Fatalities: 73PH

**Temperatures on June 20th in Dallas County rose to 100 degrees in the afternoon. The heat caused one direct and one indirect death of the elderly. Heat index values were below 105 degrees and there was no heat advisory in effect.**

**GRAYSON COUNTY --- TIOGA [33.47, -96.92]**

06/24/10 14:15 CST	0	Hail (0.75 in)
06/24/10 14:15 CST	0	Source: Law Enforcement

Penny size hail was reported in Tioga.

**PARKER COUNTY --- 3.9 SSE LA JUNTA [32.87, -97.57]**

06/24/10 15:00 CST	50K	Lightning
06/24/10 15:00 CST	0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Lightning caused a house fire 3 miles southwest of Azle.				
<b>WISE COUNTY --- 0.2 N DECATUR MUNI ARPT [33.25, -97.58]</b>				
	06/24/10 16:05 CST		0.15M	Thunderstorm Wind (EG 52 kt)
	06/24/10 16:05 CST		0	Source: Other Federal Agency

An aircraft hanger was blown over, three aircraft were damaged and one was destroyed due to high winds. The report was relayed by the FAA.

<b>WISE COUNTY --- 0.3 N DECATUR MUNI ARPT [33.25, -97.58]</b>				
	06/24/10 16:05 CST		0	Thunderstorm Wind (MG 52 kt)
	06/24/10 16:05 CST		0	Source: AWOS

Measured by the Automated Weather Observation System at the Decatur Airport (KLUD).

**An outflow boundary in combination with daytime heating, triggered afternoon thunderstorms. A few of these storms became strong to severe and produced wind damage in Wise County. Penny size hail was reported in Grayson County.**

<b>DENTON COUNTY --- BOLIVAR [33.37, -97.27]</b>				
	06/25/10 15:35 CST		0	Hail (0.88 in)
	06/25/10 15:35 CST		0	Source: Emergency Manager

Nickel size hail fell in the town of Bolivar.

**Afternoon thunderstorms developed on June 25th. There was one storm which produced nickel size hail in Denton County.**

<b>BELL COUNTY --- 4.2 W HOOD AFB [31.13, -97.80], 3.5 SSW BROOKHAVEN [31.13, -97.65], 2.7 SSW NOLANVILLE [31.04, -97.63], 0.8 SE (GRK)GRAY AAF FT HOO [31.06, -97.82]</b>				
	06/28/10 19:20 CST		30K	Flash Flood (due to Heavy Rain)
	06/28/10 20:40 CST		0	Source: Broadcast Media

Significant urban flooding was reported in Killeen. Water had risen up to car doors and was stalling vehicles. Over 5 inches of rain fell in less than 2 hours.

<b>JACK COUNTY --- 2.5 WSW GIBTOWN [33.02, -97.99], 2.5 SE GIBTOWN [33.00, -97.92], 2.5 ENE GIBTOWN [33.04, -97.91], 2.2 SE JOLPIN [33.08, -97.97]</b>				
	06/29/10 06:15 CST		0	Flash Flood (due to Heavy Rain)
	06/29/10 06:15 CST		0	Source: Law Enforcement

Flash flooding was reported along Highway 199 west of Farm-to-Market Road 920 about 5 miles west of Boonsville. There was also water near the roadway on Farm-to-Market Road 2210 near the town of Gibtown.

**An upper level disturbance and a frontal boundary combined with a very moist airmass and produced heavy rainfall across North Texas. There were reports of flash flooding in Bell and Jack County. Over 5 inches of rain fell in less than 3 hours in Bell County.**